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[BOOK] Distributed systems   [PDF] from psu.edu
AS Tanenbaum, M Van Steen - 2002 - Citeseer
... High Performance Networks ● Clusters and Computational **Grids** Course Outline ... Process: Key:
Computer: Clients invoke individual servers ... IP, ATM Circuits Data link Responsible for
transmission of packets between **nodes** that are directly connected by a physical link. ...
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A **grid**-enabled MPI: Message passing in heterogeneous distributed computing systems   [PDF] from psu.edu
I Foster.. - Proceedings of the 1998 ACM/IEEE ..., 1998 - portal.acm.org
... environment of Figure 1 might well first reduce within each SMP **node**, then within ... DeKalb, Ill.,
and a Resident Guest in the Mathematics and **Computer** Science Division ... interests
include techniques required to execute message passing programs in **grid** environments. ...
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Dynamic virtual clusters in a **grid** site manager   [PDF] from psu.edu
JS Chase, DE Irwin, LE Grit, JD Moore... - 2003 - computer.org
... longstanding assumption that software en- vironments and applications are bound to specific
computer systems that ... The **node** configuration cost—which is on the order of seconds, or minutes
for a ... long runs of **resource**- intensive applications, which are typical in a **grid** setting. ...
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Nimrod/G: An architecture for a **resource** management and scheduling system in a global
computational **grid**   [PDF] from arxiv.org
R Buyya, D Abramson... - hpc, 2000 - computer.org
... School of **Computer** Science and ... The current version also uses these services along with the
new features (such as Grid Directory Information Services) supported by the ... clusters of computers
(such as Beowulf-class Linux clusters) it is common for only the master **node** to be ...
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From virtualized resources to virtual computing **grids**: the In-VIGO system   [PDF] from psu.edu
S Adabala, V Chadha, P Chawla... - ... Generation Computer ..., 2005 - Elsevier
... As a distributed computing system that includes processing **nodes**, storage devices, networks,
software applications, and user ... and finally recover the results using a laptop or from a public
computer of an ... In In-VIGO entails: (1) the installation of a tool in **grid**-enabled resources, (2 ...
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D Abramson, J Giddy... - Parallel and Distributed ..., 2002 - ieeexplore.ieee.org
... the file transfer commands, as well as the execution of the model on the remote **node**. ... Accordingly,
it is not possible to consider the **Grid** as a single **computer** system under the **control** ... understanding
of its problem domain as well as the nature of the computational **Grid** to provide ...
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Grid information services for distributed **resource** sharing   [PDF] from psu.edu
K Czajkowski, S Fitzgerald, I Foster... - High Performance ..., 2002 - ieeexplore.ieee.org
... A superscheduler routes computational requests to the "best" available **computer** in a **Grid** ... VO-
neutral infrastructure providing **access** to detailed, dynamic information about **Grid** entities. ... for
a compute **resource** might provide information about the number of **nodes**, amount of ...
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A taxonomy and survey of **grid resource** management systems for distributed computing   [PDF] from psu.edu
K Krauter, R Buyya... - Software: Practice and ..., 2002 - Wiley Online Library
... INTRODUCTION A distributed network computing (NC) system is a virtual **computer** formed by
a networked set of heterogeneous machines that agree to share their local resources with each
other. ... Hard QoS support is provided when all **nodes** in the **Grid** can police the SLAs ...
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A computational economy for **grid** computing and its implementation in the Nimrod-G **resource**
broker   [PDF] from arxiv.org
D Abramson, R Buyya... - Future Generation Computer Systems, 2002 - Elsevier
... c Department of **Computer** Science, Welsh e-Science Centre, Cardiff University, Cardiff, UK. ... the
grid and performing **resource** discovery, scheduling, dispatching jobs to remote **grid nodes**, starting
and managing job execution, and gathering results back to the home **node**. ...
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Virtual workspaces: Achieving quality of service and quality of life in the **grid**   [PDF] from psu.edu
K Keahey, I Foster, T Freeman... - Scientific Programming, 2005 - IOS Press
... a Math & **Computer** Science Division, Argonne National Laboratory, Argonne, IL 60439, USA
b University of ... site-provided installa- tion available as a workspace is providing **access** to Grid
clients. ... in a relatively coarse-grained manner allocating the num- ber of **nodes** or amount ...
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